REMARKS

This responds to the Office Action dated <u>January 26, 2005</u>, and the references cited therewith.

Claims <u>1 and 20</u> are amended, no claims are canceled, and no claims are added; as a result, claims <u>1-30</u> remain pending in this application. Detailed remarks to the Office Action are as follows:

Amendment to the Specification

The amendment to the specification, included above, is made to correct a typographical error. In the application as filed, the corrected portion of the specification referenced item 210 on FIG. 3. This should have referenced item 310. Entry of the corrected paragraph is earnestly requested.

§102 Rejection of the Claims

Claims 1-30 were rejected under 35 U.S.C. § 102(a) for anticipation by Donald Gay (U.S. 6,188,975, hereinafter "Gay").

Independent claims 1 and 11 have been amended to include "controllably advancing simulation time." Applicant believes that Gay fails to teach or suggest controllably advancing simulation time, as recited by claims 1 and 11. Thus, independent claims 1 and 11 are believed patentable.

Claims 2-10 depend, directly or indirectly, from patentable independent claim 1 and are allowable for the same reasons set forth for claim 1. Further, claims 12- 20 depend, directly or indirectly, from patentable independent claim 11 and are patentable for the same reasons set forth for claim 11. Other aspects of the claims are not found in the cited reference. For example, with regard to claims 3 and 13, it is believed that Gay fails to teach or suggest a System C server module. Applicant respectfully submits that the portion of Gay cited as teaching the System C module makes no mention or description of System C. With regard to claims 4 and 14 and 5 and 15, it is believed that Gay fails to teach or suggest the RPC using the TCP protocol or the UDP protocol, respectively. With regard to claims 7 and 17, it is believed that there is no teaching in

Gay of suspending operation of the server module. With regard to claims 8 and 18, Applicant is unable to locate in Gay where "a return value to the client module after execution of the server module . . . represent[s] a plurality of output signals." With regard to claims 9 and 19, applicant cannot find where the Gay reference where advancing simulation time by one cycle of a clock signal is taught or suggested. With regard to claims 10 and 20, Gay is further deficient with regard to the clock signal because Gay fails to teach "the server module is configured to be sensitive to a positive edge of the clock signal." Applicant believes that other aspects of the rejected claims are not found in the cited reference. In traversing the rejections, Applicant does not waive the right to swear behind Gay.

Independent claims 21-23 and 27 are also believed patentable over Gay at least because Gay fails to teach or suggest, among other things, "a System C module that models behavior of a component of the electronic system." Claims 21, 22, and 27 are further patentable because Gay does not teach or suggest, among other things, "suspending operation of the System C module", nor "advancing simulation time by one clock cycle of a clock signal." Additionally, claims 21-23 and 27 include, among other things, a "return value representing a plurality of output signals" which is not found. This feature of the claimed subject matter relates to passing of a plurality of parameters in signals between the server module and the client module which, as set forth in the background section of the present application at page 1, lines 26-29, was not believed possible prior to the present application. Thus, for at least these reasons, claims 21-23 and 27 are patentable over Gay.

Claims 24-26 and 28-30 depend directly from patentable independent claims 23 and 27, respectively, and are patentable for at least the same reasons.

<u>Documents Cited but Not Relied upon for this Office Action</u>

Applicant need not respond to the assertion of pertinence stated for the references cited but not relied upon by the Office Action since these references are not made part of the rejections in this Office Action. Applicant is expressly not admitting to this assertion and reserves the right to address the assertion should it form part of future rejections.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (612) 373-6912 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

QIYONG BIAN

By his Representatives,

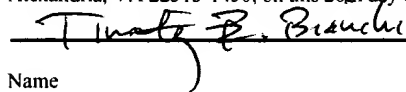SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
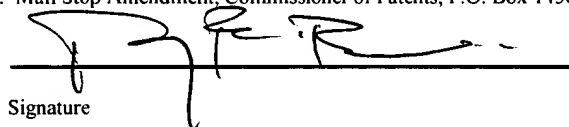P.O. Box 2938
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Date __July 26, 2005__   By _____
                                     Timothy E. Bianchi
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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 26th day of July, 2005.

_____   _____
Name   Signature